

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):	MICHAEL TOLBERT MYERS,	§	ATTORNEY	
	DONALD KEITH LOVE,	§	DOCKET	SHEL.110604 /
	WILLEM J. M. EPPING, AND	§	NUMBER:	TH 2478 / GIP 080
	MOHAMED NAGUIB HASHEM	§		
SERIAL		§		
NUMBER:	10/821,767	§	ART UNIT:	
		§		
FILING DATE:	APRIL 9, 2004	§		
		§		
FOR:	APPARATUS AND METHODS	§	EXAMINER:	
	FOR ACOUSTICALLY	§		
	DETERMINING FLUID	§		
	PROPERTIES WHILE SAMPLING	§		

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each of these documents is provided.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

The filing of this information disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56(b).

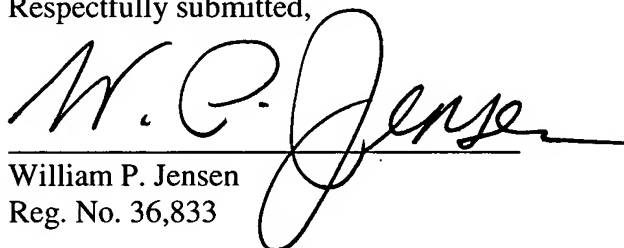
This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted

herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. & 120.1138 OG 37, 38 (May 19, 1992).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

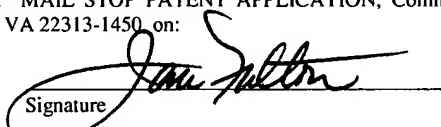
Applicant does not believe that a fee is due with this submission, however, the Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment to our Deposit Account No.19-2112.

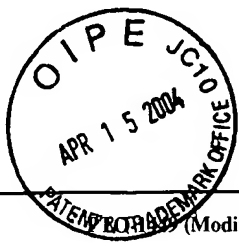
Respectfully submitted,


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Date: April 12, 2004

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CERTIFICATE OF MAILING	
37 C.F.R. 1.08	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service, first-class mail, in an envelope addressed to: MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:	
Date	Signature
<u>4-12-04</u>	



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket No.: SHEL.110604	Serial Number:
	Applicants: Michael T. Myers, et al.	
	Filing Date: April 9, 2004	Group:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT/ PUBLICATION NUMBER	ISSUE/ PUBLISHED DATE	INVENTOR	CLASS	SUBCLASS	FILING DATE
	2003/0066646	Apr. 10, 2003	Shammai, et al.	166	264	Sep. 12, 2002
	5,708,191	Jan. 13, 1998	Greenwood, et al.	73	32A	Apr. 5, 1996
	5,886,250	Mar. 23, 1999	Greenwood, et al.	073	32A	Sep. 12, 1997
	6,683,681 B2	Jan. 27, 2004	DiFoggio, et al.	356	128	Apr. 10, 2002

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 02/057596 A1	25 July 2002	WIPO	E21B 49	08		x
	WO 02/057597 A1	25 July 2002	WIPO	E21B 49	08		x

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, RELEVANT PAGES, PLACE OF PUBLICATION)
	Greenwood, Margaret S., Skorpik, James R., Bamberger, Judith Ann, <i>On-line Sensor for Density and Viscosity Measurement of a Liquid or Slurry for Process Control in the Food Industry</i> , 1999, 6 pages, presentation at the American Institute of Chemical Engineers Conference on Food Engineering '99 Sensors and Controls technical session (T3014-63f) (Unpublished)

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	



PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket No.: SHEL.110604	Serial Number:
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	Filing Date: April 9, 2004	Group:

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, RELEVANT PAGES, PLACE OF PUBLICATION)
	Author Unspecified, <i>In Situ Sensor Development: Ultrasonic Density Measurement Probe</i> , August 1996, pp. 69-72, <i>Characterization, Monitoring, and Sensor Technology Crosscutting Program - August 1996</i> .
	Author Unspecified, <i>Ultrasonic Density Measurement with acoustic reference path</i> , undated, one page printout from the website of the Institute for Micro und Sensor Systems, www.uni-magdeburg.de/imos .
	Shammai, Michael; Shaw, Andy; DiFoggio, Rocco; Gordon, Bob; Ferworn, Kevin; and Ford, John, <i>Improving Formation Sampling and Testing Efficiency - Tomorrow's In-Situ PVT Laboratory</i> , November 13-15, 2002, pp. 1-12, presentation made at the 14th Annual Deep Offshore Technology International Conference, November 13-15, 2002.
	Higuti, Ricardo Tokio and Adamowski, Julio Cezar, <i>Ultrasonic Densitometer Using a Multiple Reflection Technique</i> , September 2002, pp. 1260-1268, <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , Vol. 49, No. 9, September 2002.
	Adamowski, J. C., Buiochi, F.; Simon, C., Silva, E.C.N., and Sigelmann, R., <i>Ultrasonic measurement of density of liquids</i> , January 1995, pp. 354-361, <i>J. Acoust. Soc. Amer.</i> , vol. 97, Jan. 1995.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	